

INDUSTRIAL EQUIPMENT TECHNICIAN

PURPOSE: Repair and maintain 2 & 4 cycle gas- and diesel-powered equipment.

FUNCTIONAL AREAS:

1. Repair 2 & 4 cycle gas- and diesel-powered equipment.
 - * A. Diagnose operational deficiencies in equipment.
 - * B. Repair, adjust, or modify as necessary engines, fuel systems, ignition systems, brake systems, electrical systems, drive systems, hydraulic systems, and related systems and components, often in the field and under time pressures.
 - * C. Maintain pollution control systems in accordance with manufacturer standards.
 - * D. Clean equipment and/or components as necessary.
 - * E. Operate equipment as required for diagnosis and repair, or to move.
 - F. Order parts required for repairs to equipment.
 - G. Maintain all equipment, tools, and the shop area in a clean, safe manner.
 - H. Maintain all required records.
2. Perform routine maintenance on vehicles and equipment.
 - * A. Perform routine maintenance on vehicles and equipment according to established maintenance schedules. Examples of such maintenance includes changing engine or transmission oil and oil filter, lubricating components, checking or inspecting the operation of major systems, etc.
 - * B. Repair and change and balance tires and align wheels.
 - * C. Inspect and replace suspension components such as springs, shocks, struts, ball joints, etc.
 - * D. Install accessory equipment as required.

MINIMUM REQUIREMENTS:

1. EDUCATION AND EXPERIENCE
 - † A. Two years verifiable shop experience maintaining and repairing 2 and 4 cycle gas- and diesel-powered ("small engine") equipment and auxiliary components.
 - † B. One year verifiable experience providing routine maintenance on vehicle systems.
 - † C. Possess and maintain a valid Minnesota Class "C" Commercial Driver's License or equivalent.
 - D. ASE Certification is considered a plus.
 - E. Ability to acquire and maintain MN DOT Inspector's Certification.
2. KNOWLEDGE
 - † A. Extensive knowledge of the principles, methods, equipment, and tools used

in the maintenance and repair of gas- and diesel-powered 2 and 4 cycle ("small engine") equipment.

- † B. Knowledge of automotive vehicle and equipment maintenance procedures.
- † C. Knowledge of applicable safety standards and procedures.
- D. Knowledge of applicable driving laws and regulations.
- E. Knowledge of vehicle inspection standards and procedures.

3. SKILLS

- † A. Extensive skill in inspecting and diagnosing equipment malfunctions.
- † B. Extensive skill in repairing 2 and 4 cycle gas- and diesel-powered ("small engine") equipment.
- † C. Extensive skill in disassembling and reassembling equipment and system components.
- † D. Skill in using electronic diagnostic equipment and precision measuring instruments.
- † E. Skill in the use of hand and power tools.
- † F. Skill in performing routine maintenance on vehicles and equipment.

3. ABILITIES

- † A. Ability to read and interpret technical manuals.
- † B. Ability to write information, such as on work orders, maintenance records, etc.
- † C. Ability to use computerized diagnostic and repair equipment.
- † D. Ability to make accurate measurements.
- † E. Ability to keep accurate records.
- † F. Ability to perform simple welds on steel using various equipment.
- † G. Ability to establish and maintain effective working relationships.
- † H. Ability to work outside in inclement weather year round.
- † I. Ability to perform HEAVY work (lifting 100 pounds maximum and/or frequently lifting or carrying objects weighing up to 50 pounds).

* Essential functions of the classification.

† Minimum requirements necessary on the first day of employment.

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